

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 60110776 A  
(43) Date of publication of application: 17.06.1985

(51) Int. Cl C09J 7/04  
B32B 5/08, B32B 27/12

(21) Application number: 58218167

(22) Date of filing: 18.11.1983

(71) Applicant: TOYAMA KOGYO KK

(72) Inventor: ONO SHOJI

SUGATA SHIGERU

**(54) PRODUCTION OF PRESSURE-SENSITIVE ADHESIVE TAPE**

**(57) Abstract:**

**PURPOSE:** To obtain a pressure-sensitive adhesive tape which can be cut in its traverse direction by the hand and has a sufficient tensile strength in the longitudinal direction, by weaving a warp and a weft composed of flat yarn made of a thermoplastic resin into a base close with a difference in the thread count of the warp and the weft and processing the cloth in a specified manner.

**CONSTITUTION:** A base cloth 1 for a tape is woven out of a warp 2 and a weft 3 composed of flat yarn made of a thermoplastic resin by using the warp 2 having lower denier than that of the weft 3 and using the warp 2 with a thread count higher than that of the weft 3. One side of the base cloth 1 is subjected to a corona discharge treatment and a thermoplastic resin is laminated onto the treated surface of the cloth by extrusion to deposit a first laminate layer 4 thereon. The surface of the laminate layer 4 is subjected to a corona discharge treatment and the thermoplastic resin of the same quality is laminated onto the treated surface by extrusion to deposit a second laminate layer 5 thereon. The back of the base cloth is then subjected

to a corona discharge treatment and then coated with a pressure-sensitive adhesive to form an adhesive layer 6, thus obtaining a pressure-sensitive adhesive tape. In this way, a tape can be obt.d. which can be easily cut in the traverse direction by hand without using scissors and has a sufficient tensile strength in the longitudinal direction.

COPYRIGHT: (C)1985,JPO&Japio

